DERWENT-ACC-NO: 2003-096322
DERWENT-WEEK: 200309

TITLE: Extracting Alpinia speciosa component for use as insect repellent, involves immersing Alpinia speciosa in a solution containing surfactants, at specified temperature by mixing, stirring and shaking frequently

INVENTOR: HAMANAKA H

PATENT-ASSIGNEE:

ASSIGNEE	CODE
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PRIORITY-DATA: 2000JP-320739 (October 20, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
JP 2002206099 A	July 26, 2002	JA

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2002206099A	October 20, 2000	2000JP-320739	

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	A01 N 65/00	20060101
CIPP	A23 L 1/212	20060101
CIPS	A23 L 1/30	20060101
CIPS	A23 L 2/38	20060101
CIPS	A23 L 2/52	20060101
CIPS	A23 L 3/3472	20060101
CIPS	A61 K 36/18	20060101
CIPS	A61 K 8/00	20060101
CIPS	A61 K 8/96	20060101
CIPS	A61 K 8/97	20060101
CIPS	A61 P 1/10	20060101
CIPS	A61 Q 17/00	20060101
CIPS	A61 Q 17/02	20060101
CIPS	A61 Q 19/10	20060101

CIPS C11 B 9/02 20060101

ABSTRACTED-PUB-NO: JP 2002206099 A
BASIC-ABSTRACT:

NOVELTY - Extracting Alpinia speciosa incorporating component involves, immersing Alpinia speciosa in a solution containing uniform dispersion of 0.01-10 %, by weight, of surfactants at 10-50 degrees C by mixing, stirring and shaking the solution frequently. The solution is a mixture of water, or water and water soluble solvent, which forms hydrogen bonding with water.

None given.

USE - For use as wipe water, beverage, insect repellent and bath preparation (claimed).

ADVANTAGE - The method enables to provide an efficient extraction of Alpinia speciosa in reliable manner. The product containing the Alpinia speciosa extract has excellent stability.

DESCRIPTION OF DRAWING(S) - The drawing shows the ultraviolet (UV) absorption spectrum for the Alpinia speciosa liquid product obtained by the micelle catalyst mechanism and without micelle catalyst mechanism.

ABSTRACTED-PUB-NO: JP 2002206099 A
EQUIVALENT-ABSTRACTS:

(In weight parts) Alpinia speciosa stalk (20) were immersed in solution containing tetra glyceryl monolaurates (1), glycol (89) and water(10), extracted for 1 hour at 90 degrees C by rotational stirring at 150 revolutions per minute (rpm). Then the extracted solution was filtered and light orange transparent extract was collected. 50 mg of the product was dissolved in 100 ml methyl alcohol and analyzed in ultraviolet (UV) absorption spectrum. The product extracted from Alpinia speciosa had maximum absorbance. Hence the result revealed that by using micelle catalyst mechanism, perfumed oil compound was effectively extracted from Alpinia speciosa.

CHOSEN-DRAWING: Dwg.1/2

TITLE-TERMS: EXTRACT ALPINIA COMPONENT INSECT REPEL IMMERSE SOLUTION CONTAIN SURFACTANT SPECIFIED TEMPERATURE MIX STIR SHAKE FREQUENT

DERWENT-CLASS: B04 C03 D13 D21

CPI-CODES: B04-A08; B04-A09; B04-A10; B14-B05; C04-A08; C04-A09; C04-A10; C14-B05; D05-H13; D08-B09A2;

CHEMICAL-CODES:

Chemical Indexing M1 *01*
Fragmentation Code
M423 M720 N161 P361 Q233
Specific Compounds

RA25EO
Registry Numbers
303873

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: 2003-024398